BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Yalahanka Devision, Yelhanka Zone

Name of Work: Improvements to roads and drains balance main road cross roads of Someshwara nagara

Measurement Sheet

First and Final Bill

Item No:	2
Item Name:	KSRRB 300- Earthwork for road, drains and similar works KSRRB 300-1. excavation by manual means in ordinary siol involving an average horizontal throw upto 2 meters and an average lift upto 0.5m , excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3(P. No. 142) No. 10.1)

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Corporator house road LHS									
	0.00	30.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	30.00	60.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	60.00	61.50	1	1.50	0.60	0.60	0.60	0.30	0.27	
	61.50	73.80	1	12.30	0.60	0.60	0.60	0.30	2.21	
	73.80	92.20	1	18.40	0.60	0.60	0.60	0.30	3.31	
	Corporator house road RHS								0.00	
	0.00	30.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	30.00	60.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	60.00	61.50	1	1.50	0.60	0.60	0.60	0.30	0.27	
	61.50	73.80	1	12.30	0.60	0.60	0.60	0.30	2.21	
	73.80	92.20	1	18.40	0.60	0.60	0.60	0.30	3.31	
	3rd B cross road LHS								0.00	
	0.00	30.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	30.00	60.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	60.00	90.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	90.00	120.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	120.00	150.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	150.00	180.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	180.00	190.70	1	10.70	0.60	0.60	0.60	0.30	1.93	
	3rd B cross road RHS								0.00	
	0.00	30.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	30.00	60.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	60.00	90.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	90.00	120.00	1	30.00	0.60	0.60	0.60	0.30	5.40	

E&FC

Ramaiyareh

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7/12/2020

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	120.00	150.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	150.00	180.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	180.00	190.70	1	10.70	0.60	0.60	0.60	0.30	1.93	
	4th Across road LHS								0.00	
	0.00	30.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	30.00	60.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	60.00	65.10	1	5.10	0.60	0.60	0.60	0.30	0.92	
	4th Across road RHS								0.00	
	0.00	30.00	1	30.00	0.60	0.60	0.60	0.35	6.30	
	30.00	60.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	60.00	65.10	1	5.10	0.60	0.60	0.60	0.30	0.92	
							Total Qty Work Done		**126.18**	**Cum**
							Qty Payable in this bill		**126.18**	**Cum**

Contractor Representative

Ramanjeeval
Asst Engineer
7/12/2020

Consultant Representative

C4FC

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Asst.Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Yalahanka Devision, Yelhanka Zone

Name of Work: Improvements to roads and drains balance main road cross roads of Someshwara nagara

Measurement Sheet

First and Final Bill

Item No:	4
Item Name:	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Corporator house road									
	0.00	30.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
	30.00	60.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
	60.00	61.50	1	1.50	1.50	1.50	1.50	0.15	0.34	
	61.50	73.80	1	12.30	1.50	1.50	1.50	0.15	2.77	
	73.80	92.20	1	18.40	1.50	1.50	1.50	0.15	4.14	
	3rd B cross road									
	0.00	30.00	1	30.00	2.00	2.00	2.00	0.15	9.00	
	30.00	60.00	1	30.00	2.00	2.00	2.00	0.15	9.00	
	60.00	90.00	1	30.00	2.00	2.00	2.00	0.15	9.00	
	90.00	120.00	1	30.00	2.00	2.00	2.00	0.15	9.00	
	120.00	150.00	1	30.00	2.00	2.00	2.00	0.15	9.00	
	150.00	180.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
	180.00	190.70	1	10.70	2.00	2.00	2.00	0.15	3.21	
	4th Across road									
	0.00	30.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
	30.00	60.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
	60.00	65.10	1	5.10	1.50	1.50	1.50	0.15	1.15	
	3rd A cross road									
	0.00	30.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
	30.00	60.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
	60.00	74.00	1	14.00	1.50	1.50	1.50	0.15	3.15	
								Total Qty Work Done	**107.00**	**Cum**
								Qty Payable in this bill	**106.92**	**Cum**

Contractor Representative

Ramaregowda

Asst Engineer

24/12/2020

Consultant Representative

Sahana

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Asst Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Yalahanka Devision, Yelhanka Zone

Name of Work: Improvements to roads and drains balance main road cross roads of Someshwara nagara

Measurement Sheet

First and Final Bill

Item No:	5
Item Name:	KSRRB M400-17. Providing, laying,spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired surface and compacting with vibratory roller to achive the desired density complete as per specifications.MORTH Specification No.406 (I No-20.18,P No-155)

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Corporator house road									
	0.00	30.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
	30.00	60.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
	60.00	61.50	1	1.50	1.50	1.50	1.50	0.20	0.45	
	61.50	73.80	1	12.30	1.50	1.50	1.50	0.20	3.69	
	73.80	92.20	1	18.40	1.50	1.50	1.50	0.20	5.52	
	3rd B cross road									
	0.00	30.00	1	30.00	2.00	2.00	2.00	0.20	12.00	
	30.00	60.00	1	30.00	2.00	2.00	2.00	0.20	12.00	
	60.00	90.00	1	30.00	2.00	2.00	2.00	0.20	12.00	
	90.00	120.00	1	30.00	2.00	2.00	2.00	0.20	12.00	
	120.00	150.00	1	30.00	2.00	2.00	2.00	0.20	12.00	
	150.00	180.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
	180.00	190.70	1	10.70	2.00	2.00	2.00	0.20	4.28	
	4th Across road									
	0.00	30.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
	30.00	60.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
	60.00	65.10	1	5.10	1.50	1.50	1.50	0.20	1.53	
	3rd A cross road									
	0.00	30.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
	30.00	60.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
	60.00	74.00	1	14.00	1.50	1.50	1.50	0.20	4.20	
	Total Qty Work Done								**142.67**	**Cum**
	Qty Payable in this bill								**142.56**	**Cum**

Contractor Representative

Asst Engineer

28/12/2020

Consultant Representative

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Asst Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Yalahanka Devision, Yelhanka Zone

Name of Work: Improvements to roads and drains balance main road cross roads of Someshwara nagara

Measurement Sheet

First and Final Bill

Item No:	6
Item Name:	KSRRB M500-6 Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. Clause 502 of MORTH V revision .Item No.-

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Corporator house road									
	0.00	30.00	1	30.00	1.50	1.50	1.50		45.00	
	30.00	60.00	1	30.00	1.50	1.50	1.50		45.00	
	60.00	61.50	1	1.50	1.50	1.50	1.50		2.25	
	61.50	73.80	1	12.30	1.50	1.50	1.50		18.45	
	73.80	92.20	1	18.40	1.50	1.50	1.50		27.60	
	3rd B cross road									
	0.00	30.00	1	30.00	2.00	2.00	2.00		60.00	
	30.00	60.00	1	30.00	2.00	2.00	2.00		60.00	
	60.00	90.00	1	30.00	2.00	2.00	2.00		60.00	
	90.00	120.00	1	30.00	2.00	2.00	2.00		60.00	
	120.00	150.00	1	30.00	2.00	2.00	2.00		60.00	
	150.00	180.00	1	30.00	1.50	1.50	1.50		45.00	
	180.00	190.70	1	10.70	2.00	2.00	2.00		21.40	
	4th Across road									
	0.00	30.00	1	30.00	1.50	1.50	1.50		45.00	
	30.00	60.00	1	30.00	1.50	1.50	1.50		45.00	
	60.00	65.10	1	5.10	1.50	1.50	1.50		7.65	
	3rd A cross road									
	0.00	30.00	1	30.00	1.50	1.50	1.50		45.00	
	30.00	60.00	1	30.00	1.50	1.50	1.50		45.00	
	60.00	74.00	1	14.00	1.50	1.50	1.50		21.00	
								Total Qty Work Done	713.35	Sqm
								Qty Payable in this bill	712.80	Sqm

Contractor Representative

Asst Engineer

4/07/2021

Consultant Representative

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Asst.Executive Engineer,
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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Yalahanka Devision, Yelhanka Zone

Name of Work: Improvements to roads and drains balance main road cross roads of Someshwara nagara

Measurement Sheet

First and Final Bill

Item No:	7
Item Name:	KSRRB 500-17 Provding and laying dense geaded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision 21.17.6 -do- using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75mm) with 4.5 % VG-30 Bitumen ,(Item No-21.17.6 , Page No-160)

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Corporator house road									
	0.00	30.00	1	30.00	1.50	1.50	1.50	0.05	2.25	
	30.00	60.00	1	30.00	1.50	1.50	1.50	0.05	2.25	
	60.00	61.50	1	1.50	1.50	1.50	1.50	0.05	0.11	
	61.50	73.80	1	12.30	1.50	1.50	1.50	0.05	0.92	
	73.80	92.20	1	18.40	1.50	1.50	1.50	0.05	1.38	
	3rd B cross road									
	0.00	30.00	1	30.00	2.00	2.00	2.00	0.05	3.00	
	30.00	60.00	1	30.00	2.00	2.00	2.00	0.05	3.00	
	60.00	90.00	1	30.00	2.00	2.00	2.00	0.05	3.00	
	90.00	120.00	1	30.00	2.00	2.00	2.00	0.05	3.00	
	120.00	150.00	1	30.00	2.00	2.00	2.00	0.05	3.00	
	150.00	180.00	1	30.00	1.50	1.50	1.50	0.05	2.25	
	180.00	190.70	1	10.70	2.00	2.00	2.00	0.05	1.07	
	4th Across road									
	0.00	30.00	1	30.00	1.50	1.50	1.50	0.05	2.25	
	30.00	60.00	1	30.00	1.50	1.50	1.50	0.05	2.25	
	60.00	65.10	1	5.10	1.50	1.50	1.50	0.05	0.38	
	3rd A cross road									
	0.00	30.00	1	30.00	1.50	1.50	1.50	0.05	2.25	
	30.00	60.00	1	30.00	1.50	1.50	1.50	0.05	2.25	
	60.00	74.00	1	14.00	1.50	1.50	1.50	0.05	1.05	
								Total Qty Work Done	**35.67**	**Cum**
								Qty Payable in this bill	**35.64**	**Cum**

Contractor Representative

Asst Engineer

4/01/2021

Consultant Representative

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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Yalahanka Devision, Yelhanka Zone

Name of Work: Improvements to roads and drains balance main road cross roads of Someshwara nagara

Measurement Sheet

First and Final Bill

Item No:	8
Item Name:	KSRRB M500-6.Providing and applying Tack coat using 80/100 bitumen(VG 10) on prepared black topped surface at 2.5 kg per 10 sqm,heating bituman in boiler fitted with spray set (excluding cleaning of road surface)including cost of materials,labour, HOM complete as per specifications. Item No.-21.7 ,Page No.161

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Corporator house road									
	0.00	30.00	1	30.00	6.10	5.50	5.80		174.00	
	30.00	60.00	1	30.00	5.50	5.40	5.45		163.50	
	60.00	61.50	1	1.50	5.40	5.40	5.40		8.10	
	61.50	73.80	1	12.30	4.20	5.20	4.70		57.81	
	73.80	92.20	1	18.40	4.20	4.80	4.50		82.80	
	3rd B cross road									
	0.00	30.00	1	30.00	5.50	6.40	5.95		178.50	
	30.00	60.00	1	30.00	6.40	5.90	6.15		184.50	
	60.00	90.00	1	30.00	5.90	6.00	5.95		178.50	
	90.00	120.00	1	30.00	6.00	6.40	6.20		186.00	
	120.00	150.00	1	30.00	6.40	6.80	6.60		198.00	
	150.00	180.00	1	30.00	6.80	6.60	6.70		201.00	
	180.00	190.70	1	10.70	6.60	8.30	7.45		79.71	
	4th Across road									
	0.00	30.00	1	30.00	8.20	7.00	7.60		228.00	
	30.00	60.00	1	30.00	7.00	7.20	7.10		213.00	
	60.00	65.10	1	5.10	7.20	7.20	7.20		36.72	
	3rd A cross road									
	0.00	30.00	1	30.00	8.00	7.00	7.50		225.00	
	30.00	60.00	1	30.00	7.00	7.10	7.05		211.50	
	60.00	74.00	1	14.00	7.10	7.00	7.05		98.70	
	Total Qty Work Done								**2705.35**	**Sqm**
	Qty Payable in this bill								**2705.35**	**Sqm**

Contractor Representative

Asst Engineer

9/01/2024

Consultant Representative

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Asst Executive Engineer
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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Yalahanka Devision, Yelhanka Zone

Name of Work: Improvements to roads and drains balance main road cross roads of Someshwara nagara

Measurement Sheet

First and Final Bill

Item No: 2

Item Name: KSRRB 300- Earthwork for road, drains and similar works KSRRB 300-1. excavation by manual means in ordinary siol involving an average horizontal throw upto 2 meters and an average lift upto 0.5m , excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3(P. No -143, I No-19.1)

Premeasurement recorded on:

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	Vide Pre measurment page no							**126.18**	**Cum**	**200.00**	**25236.00**

Item No: 4

Item Name: Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)

Premeasurement recorded on:

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	Vide Pre measurment page no							**106.92**	**Cum**	**1876.00**	**200581.92**

Item No: 5

Item Name: KSRRB M400-17. Providing, laying,spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired surface and compacting with vibratory roller to achive the desired density complete as per specifications.MORTH Specification No.406 (I No-20.18,P No-155)

Premeasurement recorded on:

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	Vide Pre measurment page no							**142.56**	**Cum**	**1880.00**	**268012.80**

Item No: 6

Item Name: KSRRB M500-6 Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. Clause 502 of MORTH V revision .Item No.- 21.6 ,Page No.158

Premeasurement recorded on:

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	Vide Pre measurment page no							**712.80**	**Sqm**	**26.00**	**18532.80**

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Item No	7										
Item Name	KSRRB 500-17 Provding and laying dense geaded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision 21.17.6 -do- using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75mm) with 4.5 % VG-30 Bitumen ,(Item No-21.17.6 , Page No-160)										
Premeasurement recorded on:											
SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	Vide Pre measurment page no							35.64	Cum	6200.00	220968.00

Item No:	8										
Item Name:	KSRRB M500-6.Providing and applying Tack coat using 80/100 bitumen(VG 10) on prepared black topped surface at 2.5 kg per 10 sqm,heating bituman in boiler fitted with spray set (excluding cleaning of road surface)including cost of materials,labour, HOM complete as per specifications. Item No.-21.7 ,Page No.161										
Premeasurement recorded on:											
SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	Vide Pre measurment page no							2705.35	Sqm	12.00	32464.14

Contractor Representative

Ramanjeenaik

Asst Engineer

Consultant Representative

Asst.Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Yalahanka Devision, Yelhanka Zone

Name of Work: Improvements to roads and drains balance main road cross roads of Someshwara nagara

Measurement Sheet

First and Final Bill

Item No: 1

Item Name: Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No27, I No-5.33)

Measurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	Corporator house road LHS											
	0.00	30.00	1	30.00	0.90				27.00			
	30.00	60.00	1	30.00	0.90				27.00			
	60.00	61.50	1	1.50	0.90				1.35			
	61.50	73.80	1	12.30	0.90				11.07			
	Corporator house road RHS								0.00			
	0.00	30.00	1	30.00	0.90				27.00			
	30.00	60.00	1	30.00	0.90				27.00			
	60.00	61.50	1	1.50	0.90				1.35			
	61.50	73.80	1	12.30	0.90				11.07			
	73.80	97.00	1	23.20	0.90				20.88			
	3rd B cross road LHS								0.00			
	0.00	30.00	1	30.00	0.90				27.00			
	30.00	60.00	1	30.00	0.90				27.00			
	120.00	150.00	1	30.00	0.90				27.00			
	150.00	180.00	1	30.00	0.90				27.00			
	180.00	190.70	1	10.70	0.90				9.63			
	3rd B cross road RHS								0.00			
	0.00	30.00	1	30.00	0.90				27.00			
	30.00	60.00	1	30.00	0.90				27.00			
	60.00	90.00	1	30.00	0.90				27.00			
	150.00	180.00	1	30.00	0.90				27.00			
	180.00	190.70	1	10.70	0.90				9.63			
	4th Across road LHS								0.00			
	0.00	30.00	1	30.00	0.90				27.00			
	4th Across road RHS								0.00			
	0.00	30.00	1	30.00	0.90				27.00			
	30.00	60.00	1	30.00	0.90				27.00			
	60.00	65.10	1	5.10	0.90				4.59			
								Total Qty Work Done	474.57	Sqm		
								Qty Payable in this bill	474.57	Sqm	104.00	49355.28

Contractor Representative

Ramaswamy Reddy

Asst Engineer

Consultant Representative

Asst. Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Yalahanka Devision, Yelhanka Zone

Name of Work: Improvements to roads and drains balance main road cross roads of Someshwara nagara

Measurement Sheet

First and Final Bill

Item No: **3**

Item Name: Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)

Measurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	Corporator house road LHS											
	73.80	95.00	1	21.20	0.90				19.08			
	3rd B cross road LHS											
	60.00	90.00	1	30.00	0.90				27.00			
	90.00	120.00	1	30.00	0.90				27.00			
	3rd B cross road RHS											
	90.00	120.00	1	30.00	0.90				27.00			
	120.00	150.00	1	30.00	0.90				27.00			
	4th Across road LHS											
	30.00	60.00	1	30.00	0.90				27.00			
	60.00	65.10	1	5.10	0.90				4.59			
								Total Qty Work Done	158.67	Sqm		
								Qty Payable in this bill	158.40	Sqm	2196.00	347846.40

Contractor Representative

Ramaranjeeth

Asst Engineer

16/12/2020

Consultant Representative

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Asst.Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Yalahanka Devision, Yelhanka Zone

Name of Work: Improvements to roads and drains balance main road cross roads of Someshwara nagara

Measurement Sheet

First and Final Bill

Item No: 9

Item Name: 21.78.12 Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laing with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. ,using 40-60 TPH capacity HMP with mechanical paver II(30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% of VG-30 bituminous (60/70grade) and 0.43% of plastomeric thermoplastics (Waste plastic)Pg No-171.

Measurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	Corporator house road											
	0.00	30.00	1	30.00	6.10	5.50	5.80	0.04	6.96			
	30.00	60.00	1	30.00	5.50	5.40	5.45	0.04	6.54			
	60.00	61.50	1	1.50	5.40	5.40	5.40	0.04	0.32			
	61.50	73.80	1	12.30	4.20	5.20	4.70	0.04	2.31			
	73.80	92.20	1	18.40	4.20	4.80	4.50	0.04	3.31			
	3rd B cross road											
	0.00	30.00	1	30.00	5.50	6.40	5.95	0.04	7.14			
	30.00	60.00	1	30.00	6.40	5.90	6.15	0.04	7.38			
	60.00	90.00	1	30.00	5.90	6.00	5.95	0.04	7.14			
	90.00	120.00	1	30.00	6.00	6.40	6.20	0.04	7.44			
	120.00	150.00	1	30.00	6.40	6.80	6.60	0.04	7.92			
	150.00	180.00	1	30.00	6.80	6.60	6.70	0.04	8.04			
	180.00	190.70	1	10.70	6.60	8.30	7.45	0.04	3.19			
									0.00			
	4th Across road											
	0.00	30.00	1	30.00	8.20	7.00	7.60	0.04	9.12			
	30.00	60.00	1	30.00	7.00	7.20	7.10	0.04	8.52			
	60.00	65.10	1	5.10	7.20	7.20	7.20	0.04	1.47			
									0.00			
	3rd A cross road											
	0.00	30.00	1	30.00	8.00	7.00	7.50	0.04	9.00			
	30.00	60.00	1	30.00	7.00	7.10	7.05	0.04	8.46			
	60.00	74.00	1	14.00	7.10	7.00	7.05	0.04	3.95			
								Total Qty Work Done	**108.21**	Cum		
								Qty Payable in this bill	**108.21**	Cum	**7290.00**	**788878.60**

Contractor Representative

Asst Engineer

9/01/2021

Consultant Representative

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Asst. Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Yalahanka Devision, Yelhanka Zone

Name of Work: Improvements to roads and drains balance main road cross roads of Someshwara nagara

Measurement Sheet

First and Final Bill

Item No:	10
Item Name:	KSRRB M800-13. Road Marking with Hot Applied Thermoplastic Compound Reflectrising Glass Beads on Bituminous Surface / Concrete Surface :Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standars specified.The finished surface to be level, uniform and free from streaks and holes complete as per Specifications.

Measurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	Corporator house road											
	0.00	30.00	2.5	30.00	0.10	0.10	0.10		7.50			
	30.00	60.00	2.5	30.00	0.10	0.10	0.10		7.50			
	60.00	61.50	2.5	1.50	0.10	0.10	0.10		0.38			
	61.50	73.80	2.5	12.30	0.10	0.10	0.10		3.08			
	73.80	92.20	2.5	18.40	0.10	0.10	0.10		4.60			
	3rd B cross road								0.00			
	0.00	30.00	2.5	30.00	0.10	0.10	0.10		7.50			
	30.00	60.00	2.5	30.00	0.10	0.10	0.10		7.50			
	60.00	90.00	2.5	30.00	0.10	0.10	0.10		7.50			
	90.00	120.00	2.5	30.00	0.10	0.10	0.10		7.50			
	120.00	150.00	2.5	30.00	0.10	0.10	0.10		7.50			
	150.00	180.00	2.5	30.00	0.10	0.10	0.10		7.50			
	180.00	190.70	2.5	10.70	0.10	0.10	0.10		2.68			
	4th Across road								0.00			
	0.00	30.00	2.5	30.00	0.10	0.10	0.10		7.50			
	30.00	60.00	2.5	30.00	0.10	0.10	0.10		7.50			
	60.00	65.10	2.5	5.10	0.10	0.10	0.10		1.28			
	3rd A cross road								0.00			
	0.00	30.00	2.5	30.00	0.10	0.10	0.10		7.50			
	30.00	60.00	2.5	30.00	0.10	0.10	0.10		7.50			
	60.00	74.00	2.5	14.00	0.10	0.10	0.10		3.50			
							Total Qty Work Done		**105.50**	**Sqm**		
							Qty Payable in this bill		**105.50**	**Sqm**	**427.00**	**45048.50**

Contractor Representative

Ramanjaneiah
Asst Engineer
28/01/2021

Consultant Representative

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Asst Executive Engineer
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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Yalahanka Devision, Yelhanka Zone

Name of Work: Improvements to roads and drains balance main road cross roads of Someshwara nagara

Measurement Sheet

First and Final Bill

Item No: **11**

Item Name: KSRRB M800-35 Supply and Installation of Moulded Shank /raised Pavement Markers made of polycarbonate and ABS (Acrylonitrile Butadiene Styrne) moulded body and reflective pane;s with micro prismatic lens capable of provididng tital internal reflection of the light enerting the lens face and shall support a load of 16000 kg tested in accorande to Specifications of Catergory A of MORTH Circular No RW/NH/33023/10-97-DO III Dt 11.06.1997. The height, width and lengh shall not exceed 50mm, 100mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slpoe to the base shall shanks, (of diameter not less than 19mm and height not less than 30 mm)nfrommthe body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, wihtout nails and using epoxy resin base;d adhesive as per manufaturer's recommendaion and complete as directed by the engineer (Item No- 24.41 Page No-187)

Measurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	Corporator house road											
	0.00	30.00	3	30.00					90.00			
	30.00	60.00	3	30.00					90.00			
	60.00	61.50	3	1.50					4.50			
	61.50	73.80	3	12.30					36.90			
	73.80	92.20	3	18.40					55.20			
	3rd B cross road											
	0.00	30.00	3	30.00					90.00			
	30.00	60.00	3	30.00					90.00			
	60.00	90.00	3	30.00					90.00			
	90.00	120.00	3	30.00					90.00			
	120.00	150.00	3	30.00					90.00			
	150.00	180.00	3	30.00					90.00			
	180.00	190.70	3	10.70					32.10			
	4th Across road								0.00			
	0.00	30.00	3	30.00					90.00			
	30.00	60.00	3	30.00					90.00			
	60.00	65.10	3	5.10					15.30			
	3rd A cross road								0.00			
	0.00	30.00	3	30.00					90.00			
	30.00	60.00	3	30.00					90.00			
	60.00	74.00	3	14.00					42.00			
									1266.00			
	Total Qty Work Done								211.00	Nos		
	Qty Payable in this bill								207.00	Nos	335.00	69345.00
								Net Amount				2066269.44
								Add 12% GST				247952.33
								Grand Total Amount				2314221.78

Contractor Representative

Asst Engineer

Consultant Representative

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Asst.Executive Engineer
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28/02/2024